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coefficient instructing unit 64 calculates and sets the value of the lighting characteristic coefficient. The black triangle mark positioned at the left-hand end of the bar sets 0 as IH_{ks} and at the right-hand end sets 1. Also for setting the lighting characteristic coefficient while confirming the effect of the actually set lighting characteristic coefficient, there are provided a mode 143 for displaying the color patches in a user interface 145 and a mode 144 for displaying the original image in a user interface 146.

Please amend the paragraphs beginning at page 49, line 3, and ending at page 49, line 12, to read as follows. A marked-up copy, showing the changes made thereto, is attached.

In the following description there will be explained the operations in the execution of the user interface mode, with reference to Fig. 24, which is a flow chart showing the operations in the execution of the user interface mode in the present embodiment.

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Most of the operations are basically the same as those of the fourth embodiment depicted in Fig. 20. Specifically, steps S301 to S311, shown in Fig. 20, correspond with steps S2401 to S2403, S2405 to S2407 and S2409 to S2413, respectively, shown in Fig. 24, and therefore a description of these steps has been omitted. The operations depicted in Fig. 24 differ from those depicted in Fig. 20 with the presence of a branched step in which the image conversion matrix is selected from the image conversion matrix storing unit 1113 and is set in the image conversion unit 1103 (Step S2408) if there is system external environment data (Step S2404).

Please amend the paragraphs beginning at page 50, line 10, and ending at page 50, line 22, to read as follows. A marked-up copy, showing the changes made thereto, is attached.

63 In contrast to the fifth embodiment (depicted in Fig. 24) utilizing direct designation, operations of the system control unit 1111 of the present embodiment, depicted in Fig. 25, include a step of analyzing the input data of the user interface (step S2505), and if the result obtained in such analysis is same as a mark attached to the previously prepared and stored image conversion matrix (step S2506), the previous matrix is selected without calculation of the matrix anew (step S2510).

In case the image conversion matrix is calculated anew in the present embodiment, the result of analysis of the user interface input data is displayed and stored in the image conversion matrix storing unit 1113 (step S2509).

The remaining steps depicted in Fig. 25, namely steps S2501 to S2504, S2507, S2508 and S2511 to S2515, correspond with steps S301 to S311, respectively, depicted in Fig. 20, and therefore a description of these steps has been omitted.